



School Holiday Programme

Days of Academic Challenge

10 and 11 July 2018

A fun-filled holiday programme of academic and creative challenges

The **Days of Academic Challenge** workshops include sessions available in creative writing, science, design and history. Our team of John Paul College staff will provide a challenging and stimulating programme for students from Years 4 to 6.



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Registration Information and Workshop Outlines

General information about the structure and events of the two-day **Days of Academic Challenge** event are provided within this booklet.

On the following pages you will also find details about each of the workshop sessions running across the two days. These overviews include details about the content, requirements and presenters of each workshop to help you decide which workshop or workshops are best suited to your child.

Schedule

Timetable

8.30am	Drop off and registration at Main Administration
9.00am	Participants escorted to their workshop location; workshop begins
3.00pm	Workshops end - participants escorted to Main Administration
3.15pm	Pick up from Main Administration

Meal Breaks

Meal breaks will be determined by workshop presenters to fit in best around their activities. Participants will have a break for both morning tea and lunch.

Things to Bring

Each workshop has slightly different equipment requirements, as outlined on the following pages.

Online Registration

Further information about cost and general details and registration for the workshops, including payment options, can be completed here. www.jpc.qld.edu.au/news-events/bookings



Workshop Content:

Clean Water for the Future

Tuesday, July 10 2018

Years 4 to 6 students

Limited to 12 participants

Session Overview

Clean Water for the Future will challenge students to step into the role of global future problem solvers, developing a solution to the problems of drinking water shortage around the world. Participants will apply their STEM, problem solving and design skills to create a prototype water cleaning device for lab testing and potential use around the world. Prototypes will be judged against criteria established with participants on the day.

Participant Requirements

Workshop participants should:

- have a keen interest in science and learning to work like a scientist
- have developed reading ability to interact with scientific literature
- be able to work safely and follow instructions in a laboratory environment

Workshop participants should bring:

- an inquiring mind
- a positive attitude
- morning tea and lunch

Presenter Details

Clean Water for the Future will be presented by Miss Danielle Hollett. Danielle is JPC's Senior School Curriculum Assistant in Science and teaches 7-10 Science and 11-12 QCAA and IB Biology. She holds a Bachelor of Exercise and Movement Science and a Bachelor of Secondary Education from QUT Kelvin Grove. Danielle is passionate about Science and providing engaging, hands-on learning experiences for students that involve problem solving and future-oriented thinking.

Clean Water for the Future will involve participants working within a lab environment in JPC's recently refurbished Senior School Science facility in a combination of independent and collaborative modes.



Real Mysteries from History

Tuesday, July 10 2018

Years 4 to 6 students

Limited to 12 participants

Session Overview

Real Mysteries from History will challenge participants to become historical investigators, sifting through the available evidence surrounding some of the most confusing and unsolved mysteries in world history and come to their own, evidence-based conclusions about what most likely happened.

Participant Requirements

Workshop participants should:

- have a keen interest in history and investigating evidence
- have developed reading ability to interact with historical sources
- have the ability to weigh evidence and construct theories consistent with evidence

Workshop participants should bring:

- an inquiring mind
- writing materials and a notebook
- morning tea and lunch

Presenter Details

Real Mysteries from History will be presented by Mr Joel Bonomini. Joel is JPC's Gifted Education Facilitator and originally trained as a secondary English and History teacher. Joel is most passionate about providing learning opportunities to gifted children that engage and challenge their capacity for learning. He holds a Graduate Certificate in Education (Gifted Education) from UNSW. Joel has a personal passion for history, particularly the process of reconstructing the past through investigation.

Real Mysteries from History will involve participants working within a classroom environment in a combination of independent and collaborative modes.



CSI Junior

Tuesday, July 10 2018

Years 4 to 6 students

Limited to 12 participants

Session Overview

CSI Junior will challenge participants to step into the role of junior Crime Scene Investigators, developing and practising key scientific skills and forensic techniques and then applying them as a team to solve a series of crime scene-related problems.

Participant Requirements

Workshop participants should:

- have a keen interest in science and learning to work like a scientist
- have developed reading ability to interact with scientific literature
- be able to work safely and follow instructions in a laboratory environment

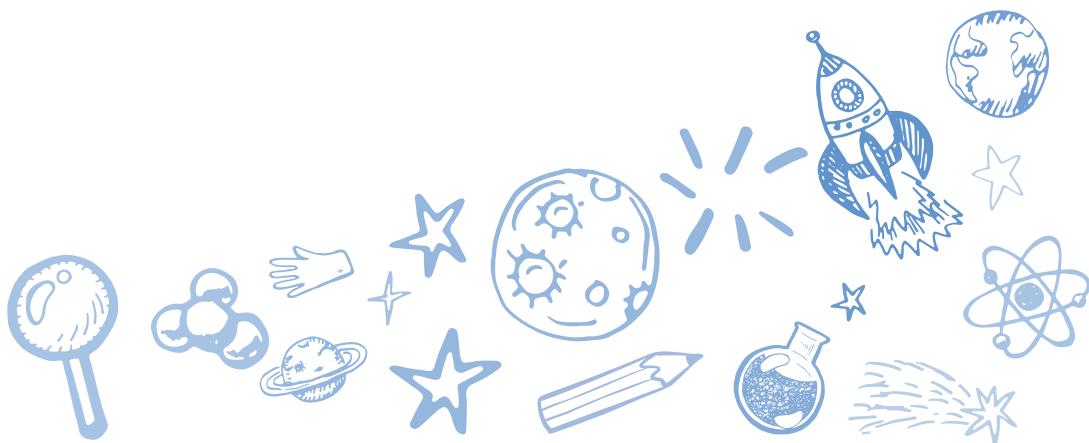
Workshop participants should bring:

- an inquiring mind
- a positive attitude
- morning tea and lunch

Presenter Details

CSI: Junior will be presented by Ms Joanna Yaxley, who holds a Bachelor of Science from Lincoln University in New Zealand and a Graduate Diploma in Secondary Teaching from QUT Kelvin Grove. Joanna has held teaching positions in Australia and the United Kingdom, ranging from Head of Year to Head of Middle School, Mathematics and Science. Joanna has a passion for using hands-on science activities to bring science to life in the classroom.

CSI Junior will involve participants working within a lab environment in JPC's newly refurbished Senior School Science Facility in a combination of independent and collaborative modes.



Achieving Great Things with Simple Machines

Wednesday, July 11 2018

Years 4 to 6 students

Limited to 12 participants

Session Overview

Achieving Great Things with Simple Machines will challenge participants to think about the way simple machines work and how they can be combined to perform elaborate tasks. Participants will have the opportunity to create their very own “Rube Goldberg machine” to carry out an everyday task and will do so using the 6Ds of Solution Fluency, a combination of key 21st century thinking and problem solving skills.

For an example of what can be achieved by the combination of simple machines and creative thinking, potential participants are encouraged to check out this YouTube Video.

www.youtube.com/watch?v=qybUFnY7Y8w

Participant Requirements

Workshop participants should:

- have a keen interest in science, engineering and design
- have developed reading ability to interact with scientific literature
- be able to work safely and follow instructions in a laboratory environment

Workshop participants should bring:

- an inquiring and creative mind
- a positive attitude
- morning tea and lunch

Presenter Details

Achieving Great Things with Simple Machines will be presented by Miss Danielle Hollett (Curriculum assistant, Junior Science and senior QCAA and IB Biology Teacher), who holds a Bachelor of Exercise and Movement Science and a Bachelor of Secondary Education from QUT Kelvin Grove. Danielle is passionate about Science and providing engaging hands-on learning experiences for students that involve problem solving and future thinking.

Achieving Great Things with Simple Machines will involve participants working within a lab environment in JPC’s recently refurbished Senior School Science facility in a combination of independent and collaborative modes.



Worlds of Imagination: Writing Fantasy Fiction

Wednesday, July 11 2018

Years 4 to 6 students

Limited to 12 participants

Session Overview

Worlds of Imagination: Writing Fantasy Fiction will challenge participants to channel their inner author and lay the groundwork for their very own fantasy fiction bestseller. After engaging with some introductory literary theory and exploring some of the most evocative fantasy stories ever written, participants will create their own fantastic world and protagonist, ready to let their creativity soar.

Participant Requirements

Workshop participants should:

- have a keen interest in writing and fantasy fiction
- have developed writing ability and familiarity with narrative writing
- be able to work safely and follow instructions in a laboratory environment

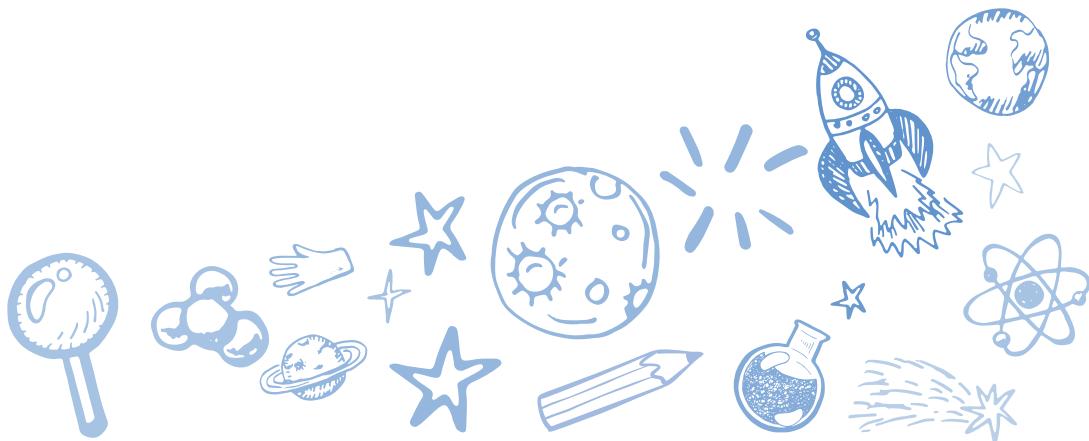
Workshop participants should bring:

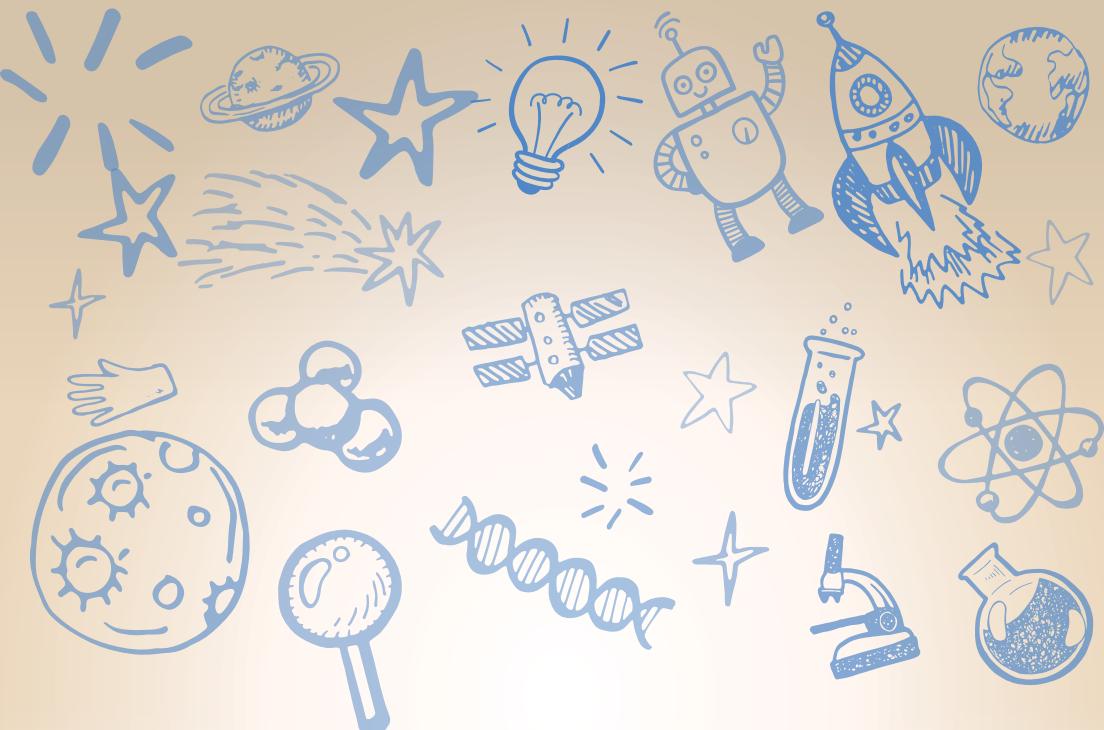
- an inquiring and creative mind
- a positive attitude
- morning tea and lunch

Presenter Details

Worlds of Imagination: Writing Fantasy Fiction will be presented by Mr Joel Bonomini. Joel is JPC's Gifted Education Facilitator and originally trained as a secondary English and History teacher. Joel is most passionate about providing learning opportunities to gifted children that engage and challenge their capacity for learning. He holds a Graduate Certificate in Education (Gifted Education) from UNSW. As a trained English teacher, lover of Tolkien and amateur short story writer.

Worlds of Imagination: Writing Fantasy Fiction will involve participants working within a classroom environment in a combination of independent and collaborative modes.





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For further information, the full programme, costs and registration, go to
www.jpc.qld.edu.au/news-events/bookings

For information on the Gifted Education Programme at John Paul College, contact our
Gifted Education Facilitator, Mr Joel Bonomini at Jbonomini@jpc.qld.edu.au

www.johnpaulcollege.com.au